

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently amended) A balloon-expandable medical stent, comprising: a generally tubular body including an alloy having Ti at about 20 weight percent or more and at least one of Zr, Ta, or Mo, wherein the alloy includes 20 weight percent or greater of Zr, Ta, Mo or a combination thereof, with the proviso that the alloy includes at least about 3 weight percent of Mo, the alloy having a yield strength of about 45 ksi or more, a magnetic susceptibility of about +1 or less, and a mass absorption coefficient of about $1.9 \text{ cm}^2/\text{g}$ or more.

2. (Original) The stent of claim 1 wherein the alloy has a UTS of about 90 ksi or more and the percent tensile elongation is about 40 or more.

3. (Original) The stent of claim 1 wherein the yield strength is about 50 ksi or greater, the percent strength to peak load is about 30 or greater, the UTS is about 90 ksi or greater, and the percent strength to fracture is about 40 or greater.

4. (Original) The stent of claim 1 wherein the magnetic susceptibility is about 3.5×10^{-3} or less.

5. (Original) The stent of claim 1 wherein the mass absorption coefficient is about $2.9 \text{ cm}^2/\text{g}$ or less.

6. (Original) The stent of claim 1 wherein the alloy includes about 50 weight percent Ti or greater.

7. (Canceled)

8. (Canceled)

9. (Original) The stent of claim 1 wherein the alloy includes 10 weight percent or more of Zr.

10. (Original) The stent of claim 1 wherein the alloy includes about 50 weight percent of Zr.

11. (Original) The stent of claim 1 wherein the alloy includes about 40 weight percent or more of Ta.

12. (Original) The stent of claim 1 wherein the alloy includes about 75 weight percent or less of Ta.

13. (Canceled)

14. (Original) The stent of claim 1 wherein the alloy includes about 20 weight percent or less of Mo.

15. (Currently amended) The stent of claim 1 wherein the alloy is ~~Ti-Ta, Ti-Mo, Ti-Zr, Ti-Ta-Mo, Ti-Ta-Zr, Ti-Ta-Zr-Mo, Ti-Zr-Mo, Ti-6Al-4V-Ta, Ti-6Al-4V-Mo, Ti-6Al-4V-Zr, Ti-6Al-4V-Ta-Mo, Ti-6Al-4V-Ta-Zr, Ti-6Al-4V-Ta-Zr-Mo, Ti-6Al-4V-Zr-Mo, Ti-13Nb-13Zr, Ti-13Nb-13Zr-Mo, Ti-13Nb-13Zr-Ta, Ti-8Al-1Mo-1V, Ti-8Al-1Mo-1V-Zr, or Ti-8Al-1Mo-1V-Ta, Ti-6Al-2Nb-1Ta-0.8Mo, or Ti-6Al-2Nb-0.8Mo-Zr.~~

16. (Currently amended) The stent of claim ~~4~~ 41 wherein the alloy of CP titanium, Ti-6Al-4V, or Ti-6Al-4V ELI alloyed with 40 to 70 weight percent of Ta ~~or 25 to 50 weight percent of Zr.~~

17. (Original) The stent of claim 16 where the alloy includes 5 to 20 weight percent of Mo.

18. (Currently amended) The stent of claim 1 wherein the alloy is selected from:

CP Titanium alloyed with:	Ti-6Al-4V ELI alloyed with:
43 weight % Ta	43 weight % Ta
69 weight % Ta	69 weight % Ta
25 weight % Ta	25 weight % Ta
49 weight % Zr	49 weight % Zr
43 weight % Ta + 5% Mo	43 weight % Ta + 5% Mo
69 weight % Ta + 5% Mo	69 weight % Ta + 5% Mo
25 weight % Zr + 5% Mo	25 weight % Zr + 5% Mo
49 weight % Zr + 5% Mo	49 weight % Zr + 5% Mo
43 weight % Ta + 10% Mo	43 weight % Ta + 10% Mo
69 weight % Ta + 10% Mo	69 weight % Ta + 10% Mo
25 weight % Zr + 10% Mo	25 weight % Zr + 10% Mo
49 weight % Zr + 10% Mo	49 weight % Zr + 10% Mo
22 weight % Ta + 13% Mo	22 weight % Ta + 13% Mo
35 weight % Ta + 25% Mo	35 weight % Ta + 25% Mo

19. (Original) The stent of claim 1 wherein the tubular body includes wall portions having a thickness of about 0.0015 inch to about 0.0150 inch.

20. (Original) The stent of claim 1 wherein the tubular body includes a therapeutic agent.

21. (Original) A system including a catheter for delivery into a body lumen, the catheter including an expandable member and a stent as described in claim 1 disposable over the expandable member, the expandable member expandable to a maximum diameter of about 1.5 mm to about 14 mm.

22 – 40. (Canceled)

41. (New) A balloon-expandable medical stent, comprising: a generally tubular body including an alloy having about 20 weight percent or more of Ti and about 40 weight percent or more of Ta, the alloy having a yield strength of about 45 ksi or more, a magnetic susceptibility of about +1 or less, and a mass absorption coefficient of about 1.9 cm²/g or more.